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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and  
IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and  
ZCPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 28 Oct 21 EVENTLINE has been reloaded  
NEWS 29 Oct 24 BEILSTEIN adds new search fields  
NEWS 30 Oct 24 Nutraceuticals International (NUTRACEUT) now available on  
STN  
NEWS 31 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 32 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 33 Nov 25 More calculated properties added to REGISTRY  
NEWS 34 Dec 02 TIBKAT will be removed from STN  
NEWS 35 Dec 04 CSA files on STN  
NEWS 36 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 37 Dec 17 TOXCENTER enhanced with additional content  
NEWS 38 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 39 Dec 30 ISMEC no longer available

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP).

NEWS HOURS AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002  
NEWS INTER STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN General Internet Information  
NEWS PHONE Welcome Banner and News Items  
NEWS WWW Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 12:52:09 ON 08 JAN 2003

FILE 'REGISTRY' ENTERED AT 12:52:15 ON 08 JAN 2003  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6  
DICTIONARY FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e biotin

E1	134	BIOTICUS/BI
E2	1	BIOTIKUM/BI
E3	880	--> BIOTIN/BI
E4	1	BIOTINA/BI
E5	3	BIOTINAMIDE/BI
E6	12	BIOTINAMIDO/BI
E7	5	BIOTINAMIDOCAPR/BI
E8	2	BIOTINAMIDOCAPRO/BI
E9	1	BIOTINAMIDOCAPROAMIDO/BI
E10	1	BIOTINAMIDOCAPROATE/BI
E11	1	BIOTINAMIDOCAPROIC/BI

E12            2        BIOTINAMIDOCAPROYL/BI  
 => e.biotin/cn  
 E1            1        BIOTHION/CN  
 E2            1        BIOTIASE 350/CN  
 E3            1 ---> BIOTIN/CN  
 E4            1        BIOTIN (+)-SULFOXIDE/CN  
 E5            1        BIOTIN (ACETYL-COA CARBOXYLASE) LIGASE : TRANSCRIPTIONAL  
 REP  
 RESSOR OF THE BIOTIN OPERON (OCEANOBACILLUS IHEYENSIS  
 STRAIN  
 HTE831 GENE BIRA)/CN  
 E6            1        BIOTIN (ACETYL-COA CARBOXYLASE) LIGASE-HOMOLOG (PARACOCCUS  
 D  
 ENITRIFICANS CLONE PXT-2 GENE BIRA)/CN  
 E7            1        BIOTIN .BETA.-SITOSTERYL ESTER/CN  
 E8            1        BIOTIN 11,11'-DITHIOBIS(UNDECYL ESTER)/CN  
 E9            1        BIOTIN 11-((11-HYDROXYUNDECYL)DITHIO)UNDECYL ESTER/CN  
 E10          1        BIOTIN 11-DDATP/CN  
 E11          1        BIOTIN 11-DDCTP/CN  
 E12          1        BIOTIN 11-DDGTP/CN  
 => s e3  
 L1            1        BIOTIN/CN  
 => d

L1    ANSWER 1 OF 1    REGISTRY    COPYRIGHT 2003 ACS  
 RN    58-85-5    REGISTRY  
 CN    1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,  
 (3aS,4S,6aR)- (9CI)    (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN    1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,  
 [3aS-(3a.alpha.,4.beta.,6a.alpha.)]-  
 CN    Biotin (8CI)  
 OTHER NAMES:  
 CN    (+)-Biotin  
 CN    (+)-cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric acid  
 CN    255: PN: EP1223534 SEQID: 255 claimed sequence  
 CN    Bioepiderm  
 CN    Bios II  
 CN    cis-(+)-Tetrahydro-2-oxothieno[3,4]imidazoline-4-valeric acid  
 CN    Coenzyme R  
 CN    D(+)-Biotin  
 CN    d-Biotin  
 CN    D-Biotin  
 CN    Factor S  
 CN    Factor S (vitamin)  
 CN    Lutavit H2  
 CN    Meribin  
 CN    Rovimix H 2  
 CN    Vitamin B7  
 CN    Vitamin H  
 FS    STEREOSEARCH  
 DR    58073-87-3, 15720-24-8, 22879-79-4, 3672-05-7  
 MF    C10 H16 N2 O3 S  
 CI    COM  
 LC    STN Files:    ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS,

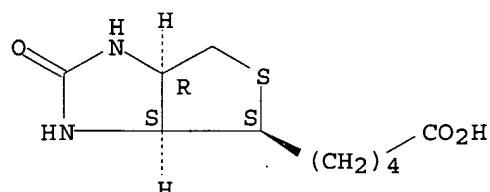
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9563 REFERENCES IN FILE CA (1962 TO DATE)  
2089 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
9604 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e homobiotin/cn

E1 1 HOMOBENZVALENE/CN  
E2 1 HOMOBENZYL PENICILLIN/CN  
E3 1 --> HOMOBIOTIN/CN  
E4 1 HOMOBIOTIN HYDRAZIDE/CN  
E5 1 HOMOBIOTIN METHYL ESTER/CN  
E6 1 HOMOBIOTIN SULFONE/CN  
E7 1 HOMOBIOTIN SULFONE METHYL ESTER/CN  
E8 1 HOMOBIOTIN SULFOXIDE/CN  
E9 1 HOMOBORNANE/CN  
E10 1 HOMOBORNEOL/CN  
E11 1 HOMOBOTCINOLIDE/CN  
E12 1 HOMOBOX-CONTAINING PROTEIN PKNOX 11.11 (HUMAN FETAL BRAIN CL  
ONE PBS-1729F10)/CN

=> s e3

L2 1 HOMOBIOTIN/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 1784-22-1 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-, (3aS,4S,6aR)-  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-, stereoisomer (8CI)

CN 1H-Thieno[3,4-d]imidazole-4-hexanoic acid, hexahydro-2-oxo-, [3aS-(3a.alpha.,4.beta.,6a.alpha.)]-

OTHER NAMES:

CN (+) -Homobiotin

CN Homobiotin

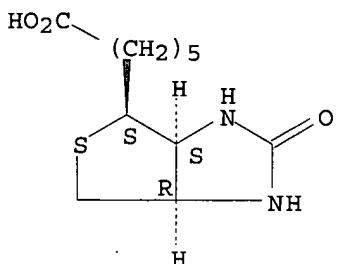
FS STEREOSEARCH

MF C11 H18 N2 O3 S

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, DDFU, DRUGU,  
TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 REFERENCES IN FILE CA (1962 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

16 REFERENCES IN FILE CAPLUS (1962 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> fil caplus uspatfull biosis embase medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

12.20

12.41

FILE 'CAPLUS' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'BIOSIS' ENTERED AT 12:53:06 ON 08 JAN 2003

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FILE 'EMBASE' ENTERED AT 12:53:06 ON 08 JAN 2003

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=> d his

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FILE 'REGISTRY' ENTERED AT 12:52:15 ON 08 JAN 2003

E BIOTIN

E BIOTIN/CN

L1

1 S E3

## E HOMOBIOTIN/CN

L2 1 S E3

FILE 'CAPLUS, USPATFULL, BIOSIS, EMBASE, MEDLINE' ENTERED AT 12:53:06 ON  
08 JAN 2003

=> s l1  
L3 29810 L1

=> s l2  
L4 22 L2

=> s l3(s)l4  
L5 0 L3(S) L4

=> dup rem l4  
PROCESSING COMPLETED FOR L4  
L6 21 DUP REM L4 (1 DUPLICATE REMOVED)

=> s l6(p)l3  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L28(P)L6'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L30(P)L7'  
L7 0 L6(P) L3

=> d l6 kwic

L6 ANSWER 1 OF 21 USPATFULL  
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,  
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1  
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin  
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin  
sulfone  
(prepn. of biotin derivs. for conditioning of extracorporeal device  
and  
extn. of toxic material from mammalian body fluids)

=> d l6 kwic ibib

L6 ANSWER 1 OF 21 USPATFULL  
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,  
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1  
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin  
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin  
sulfone  
(prepn. of biotin derivs. for conditioning of extracorporeal device  
and  
extn. of toxic material from mammalian body fluids)  
ACCESSION NUMBER: 2002:287135 USPATFULL  
TITLE: Biotin derivatives  
INVENTOR(S): Sandberg, Bengt E.B., Hjarup, SWEDEN  
Wilbur, D. Scott, Edmonds, WA, UNITED STATES  
Nilsson, Rune, Lund, SWEDEN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002159994	A1	20021031
APPLICATION INFO.:	US 2001-881213	A1	20010615 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2000-2287	20000616
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SMITH, GAMBRELL & RUSSELL, LLP, ATTORNEYS AT LAW,	
SUITE	800, 1850 M STREET, N.W., WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Page(s)	
LINE COUNT:	943	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> d 16 2 kwic ibib

L6 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1  
IT INDEXING IN PROGRESS  
IT 669-72-7, Norbiotin 1784-22-1, Homobiotin 9013-20-1,  
Streptavidin  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)  
(exchange of biotin and biotin derivs. between avidin and  
streptavidin)  
ACCESSION NUMBER: 2002:658989 CAPLUS  
TITLE: Ligand exchange between proteins: exchange of biotin  
and biotin derivatives between avidin and  
streptavidin  
AUTHOR(S): Pazy, Yael; Kulik, Tikva; Bayer, Edward A.; Wilchek,  
Meir; Livnah, Oded  
CORPORATE SOURCE: Department of Biological Chemistry, The Institute of  
Life Sciences, The Wolfson Centre for Applied  
Structural Biology, The Hebrew University of  
Jerusalem, Jerusalem, 91904, Israel  
SOURCE: Journal of Biological Chemistry (2002), 277(34),  
30892-30900  
CODEN: JBCHA3; ISSN: 0021-9258  
PUBLISHER: American Society for Biochemistry and Molecular  
Biology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR  
THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

=> d 16 3 kwic ibib

L6 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 533-48-2, Desthiobiotin 535-87-5, 3,5-Diaminobenzoic acid 554-95-0,  
1,3,5-Benzene tricarboxylic acid 669-72-7, Nor-biotin 1784-22-1  
, Homobiotin 3376-83-8, Biotin sulfoxide 13395-35-2, Iminobiotin  
14474-91-0, Oxybiotin 22342-46-7, Diaminobiotin 40720-05-6, Biotin  
sulfone  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(prepn. of biotin derivs. for conditioning of extracorporeal device  
and

(extn. of toxic material from mammalian body fluids)

ACCESSION NUMBER: 2001:923565 CAPLUS  
 DOCUMENT NUMBER: 136:42919  
 TITLE: Biotin derivatives for an extracorporeal device  
 INVENTOR(S): Sandberg, Bengt; Wilbur, Scott; Nilsson, Rune  
 PATENT ASSIGNEE(S): Mitra Medical Technology AB, Swed.; University of Washington  
 SOURCE: PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001095857	A2	20011220	WO 2001-SE1374	20010618
WO 2001095857	A3	20020328		
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002159994	A1	20021031	US 2001-881213	20010615
AU 2001074761	A5	20011224	AU 2001-74761	20010618
PRIORITY APPLN. INFO.: SE 2000-2287 A 20000616 US 2000-216625P P 20000707 WO 2001-SE1374 W 20010618				

=> d 16 4 kwic ibib

L6 ANSWER 4 OF 21 USPATFULL  
 IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 533-48-2D, Desthiobiotin, conjugates with crosslinking agent binding to effect agent  
 and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent  
 and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D, Iminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety

22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding  
to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin sulfone, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5 (trifunctional reagent for conjugation to a biomol. for use in diagnosis and therapy)  
ACCESSION NUMBER: 2001:161020 USPATFULL  
TITLE: Trifunctional reagent for conjugation to a biomolecule  
INVENTOR(S): Wilbur, D. Scott, Edmonds, WA, United States  
Sandberg, Bengt E.B., Hjarup, Sweden

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001023288	A1	20010920
APPLICATION INFO.:	US 2000-750280	A1	20001229 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1999-SE1241, filed on 7 Jul 1999, UNKNOWN		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	SMITH, GAMBRELL & RUSSELL, LLP, 1850 M STREET, N.W., SUITE 800, WASHINGTON, DC, 20036		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
LINE COUNT:	749		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

=> d 16 5 kwic ibib

L6 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 533-48-2D, Desthiobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D, Iminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin sulfone, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5 254447-31-9

RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); RCT (Reactant); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(trifunctional reagent for conjugation to a biomol. for use in diagnosis and therapy)

ACCESSION NUMBER: 2000:35037 CAPLUS

DOCUMENT NUMBER: 132:90367

TITLE: Trifunctional reagent for conjugation to a biomolecule

for use in diagnosis and therapy

INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.

PATENT ASSIGNEE(S): Dept. of Radiation Oncology, University of Washington,

USA; Mitra Medical Technology AB

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002051	A1	20000113	WO 1999-SE1241	19990707
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 2000002050	A1	20000113	WO 1998-SE1345	19980707
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2336739	AA	20000113	CA 1999-2336739	19990707
AU 9950767	A1	20000124	AU 1999-50767	19990707
EP 1095274	A1	20010502	EP 1999-935251	19990707
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002519440	T2	20020702	JP 2000-558395	19990707
US 2001023288	A1	20010920	US 2000-750280	20001229
NO 2001000021	A	20010307	NO 2001-21	20010103
PRIORITY APPLN. INFO.:			WO 1998-SE1345	A 19980707
			WO 1999-SE1241	W 19990707

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 16 6 kwic ibib

L6 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5D, Biotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 99-31-0D, 3,5-Dicarboxyaniline, conjugates with affinity ligand and effector agent and biomol. reactive moiety 108-72-5D, 1,3,5-Triaminobenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 533-48-2D,  
Desthiobiotin,  
conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 535-87-5D, 3,5-Diaminobenzoic acid, conjugates with affinity ligand and effector agent and biomol. reactive moiety 554-95-0D, 1,3,5-Tricarboxybenzene, conjugates with affinity ligand and effector agent and biomol. reactive moiety 669-72-7D, Norbiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 1784-22-1D, Homobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 3376-83-8D, Biotin sulfoxide, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 13395-35-2D,  
Iminobiotin,  
conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 14474-91-0D, Oxybiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 22342-46-7D, Diaminobiotin, conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 40720-05-6D, Biotin sulfone,  
conjugates with crosslinking agent binding to effect agent and to biomol. reactive moiety 254441-23-1 254441-24-2D, derivs. 254441-25-3 254441-26-4 254441-28-6 254447-29-5  
RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); RCT (Reactant); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
(trifunctional reagent for conjugation to a biomol. for use in diagnosis and therapy)

ACCESSION NUMBER: 2000:35036 CAPLUS  
DOCUMENT NUMBER: 132:90366  
TITLE: Trifunctional reagent for conjugation to a biomolecule  
for use in diagnosis and therapy  
INVENTOR(S): Wilbur, D. Scott; Sandberg, Bengt E. B.  
PATENT ASSIGNEE(S): Department of Radiation Oncology, University of Washington, USA; Mitra Medical Technology AB  
SOURCE: PCT Int. Appl., 41 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002050	A1	20000113	WO 1998-SE1345	19980707
W:	AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
 CM, GA, GN, ML, MR, NE, SN, TD, TG  
 AU 9883663 A1 20000124 AU 1998-83663 19980707  
 CA 2336739 AA 20000113 CA 1999-2336739 19990707  
 WO 2000002051 A1 20000113 WO 1999-SE1241 19990707  
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU,  
 CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM,  
 HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
 LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD,  
 SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU,  
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,  
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,  
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 AU 9950767 A1 20000124 AU 1999-50767 19990707  
 EP 1095274 A1 20010502 EP 1999-935251 19990707  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO  
 JP 2002519440 T2 20020702 JP 2000-558395 19990707  
 NO 2001000021 A 20010307 NO 2001-21 20010103  
 PRIORITY APPLN. INFO.: WO 1998-SE1345 A 19980707  
 WO 1999-SE1241 W 19990707  
 REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR  
 THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

=> d 16 7 kwic ibib

L6 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2003 ACS  
 IT 98-59-9, p-Toluenesulfonyl chloride 769-39-1 **1784-22-1**,  
 Homobiotin 2418-95-3 3057-74-7 4125-93-3 6160-65-2 17083-26-0  
 135242-89-6 142685-25-4 157720-49-5 173341-32-7 173401-47-3,  
 Norbiotinamine 295322-35-9 295322-37-1 295322-40-6 295322-41-7  
 295322-44-0 295329-78-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (biotin reagents for antibody pretargeting - selection of biotin  
 conjugates for in vivo application based on dissociation rate from avidin  
 and streptavidin)  
 ACCESSION NUMBER: 2000:433866 CAPLUS  
 DOCUMENT NUMBER: 133:248664  
 TITLE: Biotin Reagents for Antibody Pretargeting. 4.  
 Selection of Biotin Conjugates for in Vivo  
 Application Based on Their Dissociation Rate from Avidin and  
 Streptavidin  
 AUTHOR(S): Wilbur, D. Scott; Chyan, Ming-Kuan; Pathare, Pradip  
 M.; Hamlin, Donald K.; Frownfelter, Milah B.; Kegley,  
 Brian B.  
 CORPORATE SOURCE: Department of Radiation Oncology, University of  
 Washington, Seattle, WA, 98195, USA  
 SOURCE: Bioconjugate Chemistry (2000), 11(4), 569-583  
 CODEN: BCCHE5; ISSN: 1043-1802  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR  
 THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

=> d 16 8 kwic ibib

L6 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 576-19-2, Biocytin 669-72-7, Norbiotin **1784-22-1**, Homobiotin  
3376-83-8 10118-85-1, .alpha.-Dehydروبوتين 10406-89-0,  
Biotin-d-sulfoxide 16968-98-2, Bisnorbiotin 40720-05-6, Biotinsulfone  
RL: BPR (Biological process); BSU (Biological study, unclassified); MFM  
(Metabolic formation); BIOL (Biological study); FORM (Formation,  
nonpreparative); PROC (Process)  
(biotin detd. by a microbiol., an avidin-binding, and a  
streptavidin-binding method in urine and plasma ultrafiltrates of  
patients with biotinidase deficiency)

ACCESSION NUMBER: 1998:642438 CAPLUS  
DOCUMENT NUMBER: 129:274233  
TITLE: Biotin determination by three different methods.  
Specificity and application to urine and plasma  
ultrafiltrates of patients with and without disorders  
in biotin metabolism

AUTHOR(S): Baur, Barbara; Suormala, Terttu; Bernoulli, Claudia;  
Baumgartner, E. Regula

CORPORATE SOURCE: Metabolic Unit, Children's Hospital, Univ. Basel,  
Basel, CH-4005, Switz.

SOURCE: International Journal for Vitamin and Nutrition  
Research (1998), 68(5), 300-308  
CODEN: IJVNAP; ISSN: 0300-9831

PUBLISHER: Hogrefe & Huber Publishers  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 9 kwic ibib

L6 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5 58-85-5D, analogs and metabolites 533-48-2 576-19-2  
608-16-2 **1784-22-1** 3376-83-8 10118-85-1 10406-89-0  
13395-35-2 16968-98-2 20349-92-2 29117-49-5 40720-05-6  
53906-36-8  
RL: ANT (Analyte); ANST (Analytical study)  
(sepn. of, by HPLC)

ACCESSION NUMBER: 1986:511298 CAPLUS  
DOCUMENT NUMBER: 105:111298  
TITLE: Separation of biotin and analogs by high-performance  
liquid chromatography

AUTHOR(S): Bowers-Komro, Delores M.; Chastain, Jane L.;  
McCormick, Donald B.

CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA  
SOURCE: Methods in Enzymology (1986), 122(Vitam. Coenzymes,  
Pt. G), 63-7  
CODEN: MENZAU; ISSN: 0076-6879

DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 10 kwic ibib

L6 ANSWER 10 OF 21 USPATFULL

IT 504-78-9 533-48-2 669-72-7 1784-22-1 3376-83-8  
 4413-03-0 4479-93-0 4746-69-4 6538-75-6 6697-30-9 6706-13-4  
 7695-75-2 10118-85-1 14474-91-0 16198-62-2 16968-98-2  
 16968-99-3 17866-66-9 24608-30-8 28900-69-8 30868-27-0  
 36109-75-8 40720-05-6 51775-26-9 57671-76-8 66640-86-6  
 69705-13-1 76906-12-2 88193-15-1 88193-16-2 88193-17-3  
 88193-18-4 88193-19-5 88193-20-8 88193-21-9 88193-22-0  
 88193-23-1 88193-24-2 88193-25-3 88193-26-4 88193-27-5  
 88193-28-6 88193-29-7 88193-30-0 88193-31-1 88193-32-2  
 88193-33-3 88193-34-4 88193-35-5 88193-36-6 88193-37-7  
 88193-38-8 88193-39-9 88193-40-2 88193-41-3 88193-42-4  
 88193-43-5 88193-44-6 88193-45-7 88193-46-8 88193-47-9  
 88193-48-0 88193-49-1 88193-50-4 88193-51-5 88193-52-6  
 88193-53-7 88193-54-8 88193-55-9 88193-56-0 88193-57-1  
 88193-58-2 88193-59-3 88193-60-6 88193-61-7 88193-62-8  
 88193-63-9 88193-64-0D, alkyl derivs. 88204-09-5 88244-33-1  
 (cosmetics or hair preps. contg., in seborrhea treatment)

ACCESSION NUMBER: 85:41782 USPATFULL  
 TITLE: Method of reducing sebum on the hair and skin  
 INVENTOR(S): Green, Martin R., Milton Keynes, United Kingdom  
 PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4529587		19850716
APPLICATION INFO.:	US 1983-462859		19830201 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1982-4958	19820219
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Ore, Dale R.	
LEGAL REPRESENTATIVE:	Darcy, Lynne, Farrell, James J.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	862	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 16 11 kwic ibib

L6 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2003 ACS  
 IT 58-85-5D, analogs 81-25-4 533-48-2 576-19-2 608-16-2 635-65-4,  
 biological studies 1784-22-1 22342-46-7 53906-36-8  
 RL: BAC (Biological activity or effector, except adverse); BSU  
 (Biological  
 study, unclassified); BIOL (Biological study)  
 (biotin transport by hepatocytes response to)

ACCESSION NUMBER: 1986:3747 CAPLUS  
 DOCUMENT NUMBER: 104:3747  
 TITLE: Biotin uptake by isolated rat liver hepatocytes  
 AUTHOR(S): Bowers-Komro, Delores M.; McCormick, Donald B.  
 CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA  
 SOURCE: Annals of the New York Academy of Sciences (1985),  
 447(Biotin), 350-8  
 CODEN: ANYAA9; ISSN: 0077-8923

DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> d 16 12 kwic ibib

L6 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5 533-48-2 576-19-2 608-16-2 **1784-22-1** 3376-83-8  
10118-85-1 10406-89-0 13395-35-2 16968-98-2 20349-92-2  
29117-49-5 40720-05-6 53906-36-8  
RL: PROC (Process)  
(sepn. of, from analogs by high-performance liq. chromatog.)  
ACCESSION NUMBER: 1985:615053 CAPLUS  
DOCUMENT NUMBER: 103:215053  
TITLE: High-performance liquid chromatography of biotin and  
analog  
AUTHOR(S): Chastain, Jane L.; Bowers-Komro, Delores M.;  
McCormick, Donald B.  
CORPORATE SOURCE: Sch. Med., Emory Univ., Atlanta, GA, 30322, USA  
SOURCE: Journal of Chromatography (1985), 330(1), 153-8  
CODEN: JOCRAM; ISSN: 0021-9673  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 13 kwic ibib

L6 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2003 ACS  
AB Skin prepns. or hair prepns. contg. 0.0001-0.5M biotin antagonists such  
as  
biotin sulfone [40720-05-6], homobiotin [**1784-22-1**],  
.alpha.-dehydrobiotin [10118-85-1], etc., and carriers are useful for  
the treatment of seborrhea. The antagonists block the activity of the  
biotin-dependent.  
IT 504-78-9 533-48-2 669-72-7 **1784-22-1** 3376-83-8 4413-03-0  
4479-93-0 4746-69-4 6538-75-6 6697-30-9 6706-13-4 7695-75-2  
10118-85-1 14474-91-0 16198-62-2 16968-98-2 16968-99-3  
17866-66-9 24608-30-8 28900-69-8 30868-27-0 36109-75-8  
40720-05-6 51775-26-9 57671-76-8 66640-86-6 69705-13-1  
76906-12-2 88193-15-1 88193-16-2 88193-17-3 88193-18-4  
88193-19-5 88193-20-8 88193-21-9 88193-22-0 88193-23-1  
88193-24-2 88193-25-3 88193-26-4 88193-27-5 88193-28-6  
88193-29-7 88193-30-0 88193-31-1 88193-32-2 88193-33-3  
88193-34-4 88193-35-5 88193-36-6 88193-37-7 88193-38-8  
88193-39-9 88193-40-2 88193-41-3 88193-42-4 88193-43-5  
88193-44-6 88193-45-7 88193-46-8 88193-47-9 88193-48-0  
88193-49-1 88193-50-4 88193-51-5 88193-52-6 88193-53-7  
88193-54-8 88193-55-9 88193-56-0 88193-57-1 88193-58-2  
88193-59-3 88193-60-6 88193-61-7 88193-62-8 88193-63-9  
88193-64-0D, alkyl derivs. 88204-09-5 88244-33-1  
RL: BIOL (Biological study)

(cosmetics or hair prepns. contg., in seborrhea treatment)

ACCESSION NUMBER: 1984:12447 CAPLUS  
DOCUMENT NUMBER: 100:12447  
TITLE: Skin treatment compositions containing biotin  
antagonists  
INVENTOR(S): Green, Martin Richard  
PATENT ASSIGNEE(S): Unilever PLC, UK  
SOURCE: Brit. UK Pat. Appl., 18 pp.  
CODEN: BAXXDU  
DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2114886	A1	19830901	GB 1983-4383	19830217
GB 2114886	B2	19860604		
US 4529587	A	19850716	US 1983-462859	19830201
AU 8311432	A1	19830825	AU 1983-11432	19830215
AU 548324	B2	19851205		
EP 88542	A2	19830914	EP 1983-300809	19830217
EP 88542	A3	19850515		
EP 88542	B1	19880511		
R: AT, BE, CH, DE, FR, IT, LI, NL, SE				
JP 58154508	A2	19830914	JP 1983-25484	19830217
JP 04045486	B4	19920727		
ZA 8301083	A	19840926	ZA 1983-1083	19830217
CA 1208135	A1	19860722	CA 1983-421827	19830217
AT 34077	E	19880515	AT 1983-300809	19830217
PRIORITY APPLN. INFO.:			GB 1982-4958	19820219
			EP 1983-300809	19830217

=> d 16 14 kwic ibib

L6 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 57-13-6, biological studies 58-85-5 107-92-6, biological studies  
109-52-4, biological studies 110-01-0 120-93-4 142-62-1, biological  
studies 533-48-2 576-19-2 608-16-2 669-72-7 940-69-2  
**1784-22-1** 10118-85-1 30868-27-0 36846-64-7 53859-20-4  
53906-36-8 57828-26-9  
RL: BIOL (Biological study)  
(transport of, by fibroblast, biotin transport in relation to)  
ACCESSION NUMBER: 1983:50953 CAPLUS  
DOCUMENT NUMBER: 98:50953  
TITLE: Biotin transport into fully differentiated 3T3-L1  
cells  
AUTHOR(S): Cohen, Nadine D.; Thomas, Michal  
CORPORATE SOURCE: Dep. Biol. Chem., Wright State Univ., Dayton, OH,  
45435, USA  
SOURCE: Biochemical and Biophysical Research Communications  
(1982), 108(4), 1508-16  
CODEN: BBRCA9; ISSN: 0006-291X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 15+ kwic ibib

'15+' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid  
in at least one of the files. Refer to file specific help messages  
or the STNGUIDE file for information on formats available in  
individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d 16 15 kwic ibib

'D' IS NOT A VALID FORMAT

'L21' IS NOT A VALID FORMAT

'15' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid  
in at least one of the files. Refer to file specific help messages

or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT) :end

=> d 16 15 kwic ibib

L6 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 533-48-2 608-16-2 669-72-7 **1784-22-1**  
RL: BIOL (Biological study)  
(NMR of carbon-13 in)  
ACCESSION NUMBER: 1980:54112 CAPLUS  
DOCUMENT NUMBER: 92:54112  
TITLE: Assignment of the carbon-13 NMR spectrum of biotin  
AUTHOR(S): Bradbury, J. Howard; Johnson, Robert N.  
CORPORATE SOURCE: Chem. Dep., Austr. Natl. Univ., Canberra, ACT 2600,  
Australia  
SOURCE: Journal of Magnetic Resonance (1969-1992) (1979),  
35(2), 217-22  
CODEN: JOMRA4; ISSN: 0022-2364  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 16 kwic ibib

L6 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5 576-19-2 **1784-22-1** 10118-85-1 30868-27-0  
40720-05-6  
RL: BIOL (Biological study)  
(diaminopelargonate aminotransferase formation regulation by)  
ACCESSION NUMBER: 1978:486479 CAPLUS  
DOCUMENT NUMBER: 89:86479  
TITLE: In vitro synthesis and regulation of the biotin  
enzymes of Escherichia coli K-12  
AUTHOR(S): Prakash, Om; Eisenberg, Max A.  
CORPORATE SOURCE: Coll. Physicians Surg., Columbia Univ., New York, NY,  
USA  
SOURCE: Journal of Bacteriology (1978), 134(3), 1002-12  
CODEN: JOBAAY; ISSN: 0021-9193  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 17 kwic ibib

L6 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2003 ACS  
AB The biotin antagonist streptavidin [9013-20-1] inhibited growth of T.  
vaginalis in vitro at .geq.1.00 mg/ml, whereas homobiotin [  
**1784-22-1**] did not inhibit growth. 7-Dehydrocholesteryl bromide  
[50861-86-4], an antagonist of the growth inhibitor ergostanyl acetate,  
did not affect growth compared. . .  
IT **1784-22-1** 9013-20-1 50861-86-4  
RL: BAC (Biological activity or effector, except adverse); BSU  
(Biological  
study, unclassified); BIOL (Biological study)  
(Trichomonas vaginalis sensitivity to)  
ACCESSION NUMBER: 1974:56033 CAPLUS  
DOCUMENT NUMBER: 80:56033  
TITLE: Relations between antivitamins and Trichomonas  
vaginalis

AUTHOR(S) : Khristov, Khr. P.  
CORPORATE SOURCE: Dermatol. Clin. Pleven, Pleven, Bulg.  
SOURCE: Scientia Pharmaceutica (1973), 41(3), 200-3  
CODEN: SCPHA4; ISSN: 0036-8709  
DOCUMENT TYPE: Journal  
LANGUAGE: German

=> d 16 18 kwic ibib

L6 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 58-85-5 576-19-2 **1784-22-1**  
RL: BIOL (Biological study)  
(reaction with acetyl coenzyme A carboxylase, citric acid effect on)  
ACCESSION NUMBER: 1972:536748 CAPLUS  
DOCUMENT NUMBER: 77:136748  
TITLE: Activation of acetyl coenzyme A carboxylase by  
tricarboxylic acids  
AUTHOR(S) : Lane, M. Daniel; Moss, Joel; Ryder, Elena; Stoll,  
Erwin  
CORPORATE SOURCE: Sch. Med., Johns Hopkins Univ., Baltimore, MD, USA  
SOURCE: Advances in Enzyme Regulation (1971), 9, 237-51  
CODEN: AEZRA2; ISSN: 0065-2571  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> d 16 19 kwic ibib

L6 ANSWER 19 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
RN 669-72-7 (NOR BIOTIN)  
**1784-22-1** (HOMO BIOTIN)  
16198-62-2 (TRIS NOR BIOTIN)  
ACCESSION NUMBER: 1971:66232 BIOSIS  
DOCUMENT NUMBER: BR07:66232  
TITLE: ISOLATION AND CHARACTERIZATION OF NOR BIOTIN AND TRIS NOR  
BIOTIN FROM CATABOLISM OF HOMO BIOTIN BY PSEUDOMONAS-SP.  
AUTHOR(S) : RUIS H; BRADY R N; MCCORMICK D B; WRIGHT L D  
SOURCE: MCORMICK, DONALD B. AND LEMUEL D. WRIGHT (EDITED BY).  
METHODS IN ENZYMOLOGY, VOL. XVIII. VITAMINS AND COENZYMES,  
PART A. XXI+688P. ILLUS. ACADEMIC PRESS: NEW YORK, N.Y.,  
U.S.A, (1970) 409-413.  
FILE SEGMENT: BR; OLD  
LANGUAGE: Unavailable

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L6 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2003 ACS  
IT 669-72-7 786-79-8 **1784-22-1** 2921-15-5 15720-23-7  
RL: BIOL (Biological study)  
(biotin absorption by *Saccharomyces cerevisiae* inhibition by)  
ACCESSION NUMBER: 1970:19318 CAPLUS  
DOCUMENT NUMBER: 72:19318  
TITLE: Characterization of the biotin transport system in  
*Saccharomyces cerevisiae*  
AUTHOR(S) : Rogers, Thomas O.; Lichstein, Herman C.  
CORPORATE SOURCE: Coll. of Med., Univ. of Cincinnati, Cincinnati, OH,  
USA  
SOURCE: Journal of Bacteriology (1969), 100(2), 557-64

CODEN: JOBAAY; ISSN: 0021-9193  
DOCUMENT TYPE: Journal  
LANGUAGE: English

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IT 58-85-5 1784-22-1  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
(Biological study); PROC (Process)  
(metabolism of, mechanism of, in bacteria)  
ACCESSION NUMBER: 1968:47221 CAPLUS  
DOCUMENT NUMBER: 68:47221  
TITLE: Bacterial degradation of biotin. II. Catabolism of  
homobiotin-14C and norbiotin-14C  
AUTHOR(S): Ruis, Helmut; Brady, Robert N.; McCormick, Donald B.;  
Wright, Lemuel Dary  
CORPORATE SOURCE: Cornell Univ., Ithaca, NY, USA  
SOURCE: Journal of Biological Chemistry (1968), 243(3),  
547-51  
CODEN: JBCHA3; ISSN: 0021-9258  
DOCUMENT TYPE: Journal  
LANGUAGE: English

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